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In re A		iin, et al.		SOT//ISM/COTES/MCVD/SB	13
	Serial No.	Filing Date	Examiner	Group Art Unit	1 _
`*	09/917,842	July 27, 2001	Kosowski, A.	2125	OC.
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1. 🛄	The Information Dis application other the entry of the nationa	sclosure Statement submitted herewan a continued prosecution applica stage as set forth in 37 CFR 1.491 s; or before the mailing of a first Off 4.	ition under 37 CFR 1.53(d); within in an international application; before	n three months of the date of ore the mailing of a first office pest for continued examination	
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			? 1.97(c)	TC 2100	
2. 🛚	prior to the mailing	closure Statement submitted herew date of a Final Action under 37 CFR is prosecution in the application, and	l 1.113, a Notice of Allowance unde	ęr 37 CFR 1.311, or an Action	
		37 CFR	1.97(d)		
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	from a fore person, afte Disclosure S	information in the accompanying Ir gn patent office in a counterpart to r making reasonable inquiry, no it Statement was known to any individ of the Information Disclosure Statem	foreign application, and, to the ki tem of information contained in th lual designated in 37 CFR 1.56(c)	nowledge of the undersigned ne accompanying Information	
	account nur	forth in 37 CFR 1.17(p). Please on the control of t	was paid with its counter-part Info	rmation Disclosure Statement	
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Keith	P. Taboada, Esq.	Dated: 1	Cartificate of Mailin	g by First Class Mail	
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TRANSMITTAL OF	INFORMATION DISCLO	SURE STATEMENT	Docket No.
· Un	der 37 CFR 1.97(b), (c), or		5017/ISM/CORE/MCVD/SB
	ı, et al.		
Serial No. 09/917,842	Filing Date	Examiner	Group Art Unit
	July 27, 2001 DEPOSITION APPARATUS	Kosowski, A.	2125
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FEB 2 11 2000	Commission	er for Patents	
FEB 2 0 2004		ŀ	EB 2 5 2004
RAREM		1.97(b) Techn	ology Center 2100
application other than entry of the national si	<ul> <li>a continued prosecution application</li> <li>tage as set forth in 37 CFR 1.491</li> </ul>	vith is being filed within three mor tion under 37 CFR 1.53(d); within in an international application; befo ice Action after the filing of a requ	three months of the date of ore the mailing of a first Office
	37 CFR	1.97(c)	
prior to the mailing da	osure Statement submitted herewi te of a Final Action under 37 CFR	ith is being filed after the period sp. 1.113, a Notice of Allowance under its accompanied by the statement	er 37 CFR 1.311, or an Action
	37 CFR	1.97(d)	
3.  The Information Disclesion or before payment	osure Statement submitted herewi of the issue fee and is accompani	th is being filed after the period specified by the statement and fee as ind	ecified in 37 CFR 1.97(c), but icated below.
Require	ed Statements and/or Fe	ees Under 37 CFR 1.97(c	) or (d)
<ul><li>Each item of ir communication</li></ul>	nformation contained in the accom	npanying Information Disclosure St counterpart foreign application not	atement was first cited in any
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account number	er 20-0782. The necessary fee v	redit any overpayment or charge a vas paid with its counter-part Infor copy of the Fee Transmittal is attac	mation Disclosure Statement
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166	Dated: F	6 R 2004	
Keith P. Taboada, Esq.	<u> </u>	Certificate of Mailing	y by First Class Mail
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Attorneys at Law	,	1450, Alexandria, VA 22313-1450	
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Shrewsbury, New Jersey	07702	Signature of Person Ma	niling Correspondence
732-530-9404		Barbara J	. Jackson
		Typed or Printed Name of Per	son Mailing Correspondence



#### **FEE TRANSMITTAL**

Electronic Name to p 108 Stylesheet Version v08.0

Title of Invention

ATOMIC LAYER DEPOSITION APPARATUS

RECEIVED

Application Number:

09/917842

\*09/917842\*

FEB 2 5 2004

2001-07-27

Technology Center 2100

First Named Applicant: Barry L. Chin Attorney Docket Number: 5017Y01

Art Unit:

3573

Examiner:

Alexander Kosowski

# **TOTAL FEE AUTHORIZED \$180**

Patent fees are subject to annual revisions on or about October 1st of each year.

#### BASIC FILING FEE

Fee Description	Fee Code	Amount \$	Fee Paid \$
Submission Of Information Disclosure Stmt Fee	1806	180	180

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 4

Application Number	09/917,842	
Filing Date	July 27, 2001	
First Named Inventor	Chin et al.	
Group Art Unit	2125	
Examiner Name	Kosowski, A.	
Attorney Docket Number	5017 Y01/ISM/CORE	
Submission Date		

			U.S. PATENT I	DOCUMENTS	
Examiner	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	INO.	Number-Kind Code <sup>2 (if known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	A1	US-		_	חבסבוייה
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	FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1			Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or	T <sup>6</sup>		
			/ Number-Kind Code <sup>2 (if known)</sup>	MM-DD-YYYY	YY Applicant of Cited Document	Relevant Figures Appear		
	B1	Z	WO 01/36702	05/25/2001	Genitech Co., Ltd.		Х	
	B2		WO 01/17692	03/15/2001	ASM America, Inc.		Х	
	B3	7	WO 00/79576	12/28/2000	Genitech, Inc.		Х	
	B4	7	WO 00/54320	09/14/2000	Genus Inc.		Х	
	B5	1	WO 99/65064	12/16/1999	ASM International NV		X	

Examiner Date Considered

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	Substitute for form 1449A/PTQ FEB 2 0 2004	Application Number	09/917,842 RECEIVED
		Filing Date	July 27, 2001
•	INFORMATION DISCLOSURE STATEMENT BY APPLICANT	First Named Inventor	Chin et al. FEB 2 5 2004
	STATEMENT BY APPLICANT	Group Art Unit	2125 Toohnology Contar 1100
		Examiner Name	Kosowski, A. Technology Center 2100
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Sheet

Attorney Docket Number

Submission Date

5017 Y01/ISM/CORE

	U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where			
	No.	Number-Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear			
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	FOREIGN PATENT DOCUMENTS							
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>		
Initials*	No.¹	Number-Kind Code <sup>2 (if known)</sup>	MM-DD-YYYY					
	B6	WO 99/01595	01/14/1999	Neste OY		х		
/	B7	WO 96/17107	06/06/1996	Mirokemia OY		Х		
1	B8	JP 58-098917	06/13/1983	Seiko Epson Corp		X		
	B9	JP 2001-020075	01/23/2001	ASM Microchemistry OY		Х		
/	B10	JP 2000-319772	11/21/2000	PK Ltd.		Х		

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	· \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Filing Date	July 27, 2001 FEB 2 5 2004	
	INFORMATION DESCLOSURE STATEMENT BY APPLICANT	First Named Inventor	Chin et al.	
	STATEMENT BY APPLICANT	Group Art Unit	Technology Center 21(	J0

**Examiner Name** 

**Submission Date** 

Attorney Docket Number

(Use as many sheets as necessary)

Sheet | 3

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Kosowski, A.

5017 Y01/ISM/CORE

			U.S. PATENT	DOCUMENTS	
Examiner Initials*	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant
	No. <sup>1</sup>	Number-Kind Code <sup>2 (if known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
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	A16	US-			
	A17	US-			

		FOR	EIGN PATENT I	DOCUMENTS		
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
Initials*	No.¹	Number-Kind Code <sup>2 (if known)</sup>	<b>-</b>			
	B11	JP 2000-212752 /	08/02/2000	Samsun Electronics Co.Ltd		
	B12	JP 06-224138	08/12/1994	Texas Instr. Inc.		X
<u></u>	B13 /	JP 05-234899	09/10/1993	Hitachi Ltd.		Х
	B14 /	JP 05-206036	08/13/1993	Rikagaku Kenkyusho		X
	B15_	JP 05-047666	02/26/1993	Fujitsu Ltd		

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Substitute for form 1440A/RTO	Application Number	09/917,842 <b>RECEIVED</b>
Substitute for form: 1449AVF TO FEB 2 0 2004	Filing Date	July 27, 2001
INFORMATION DESCLOSURE	First Named Inventor	Chin et al. FEB 2 5 2004
INFORMATION DESCLOSUSE STATEMENT BY APPEL ANT	Group Art Unit	<sup>2125</sup> Technology Center 2100
	Examiner Name	Kosowski, A.
(Use as many sheets as necessary)	Attorney Docket Number	5017 Y01/ISM/CORE

**Submission Date** 

Sheet

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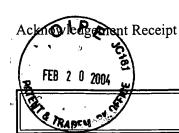
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			U.S. PATENT	DOCUMENTS	
Examiner Cite No.1	Cite	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	No.'	Number-Kind Code <sup>2 (# known)</sup>			
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FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign Patent Document	Publication Date		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
Initials*	No.¹	Number-Kind Code <sup>2 (# known)</sup>	MM-DD-YYYY			
	B16	JP 04-291916	10/16/1992	Kokusai Electric Co.		Х
	B17	JP 05-270997	10/19/1993	Fujitsu Ltd.		X
	B18	EP 1167569	01/02/2002	IPS Limited		Х
1	B19	WO -2/45871	06/13/2002	Angstron Systems		
Z.	B20	WO 02/08488	01/31/2002	ASM Microchemistgry OY		<u> </u>

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## UNITED STATES PATENT AND TRADEMARK OFFICE **ACKNOWLEDGEMENT RECEIPT**

FEB 2 5 2004

Electronic Version 1.1 Stylesheet Version v1.1.1

Technology Center 2100

Title of Invention

ATOMIC LAYER DEPOSITION APPARATUS

Submission Type:

Information Disclosure Statement

Application Number:

09/917842

\*09/917842\*

EFS ID:

55594

Server Response:

Confirmation Code	Message		
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application		
ICON1	3573		
ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmaton/Application numbers at this time. They will be checked by PTO personnel later.		

First Named Applicant:

Barry Chin

Attorney Docket Number: 5017Y01

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File Listing:

Doc. Name	File Name	Size (Bytes)
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us-ids	us-ids.dtd	7763
us-ids	us-ids.xsl	12026
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package-data	APPM5017Y01-pkda.xml	2362
package-data	package-data.dtd	27025
package-data	us-package-data.xsl	19263
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